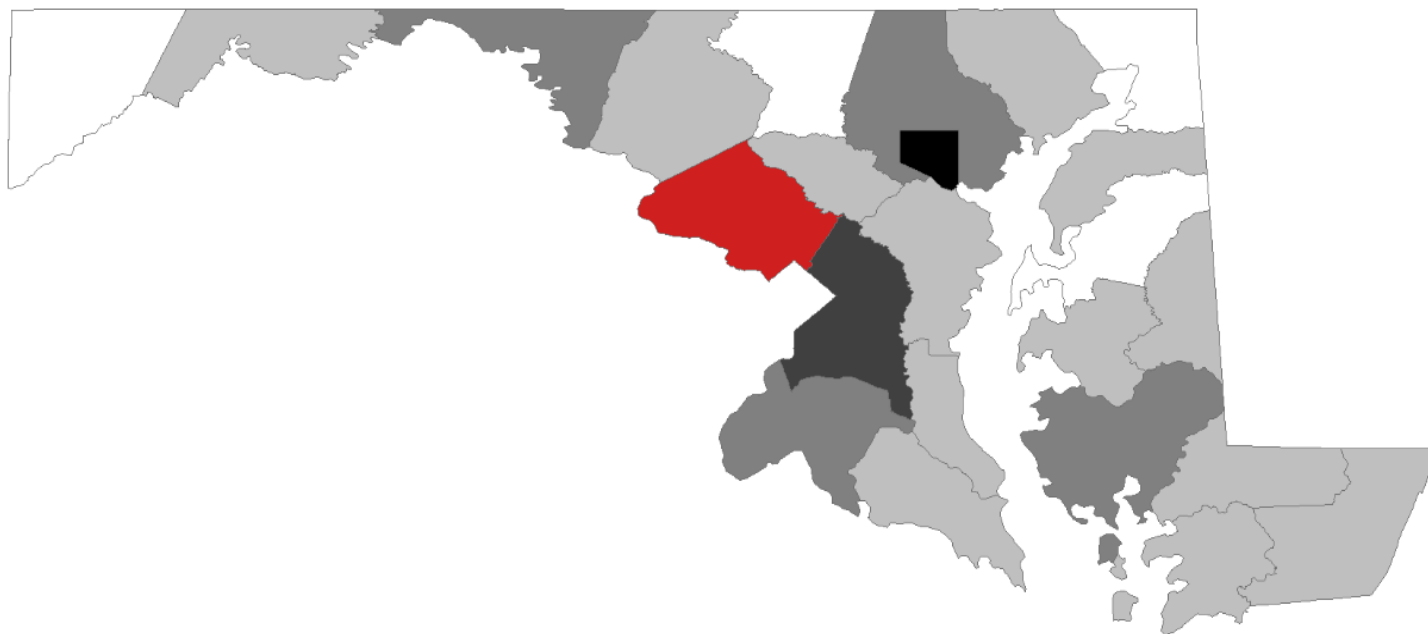


2015



Montgomery County HIV Annual Epidemiological Profile

Data reported through June 30, 2016

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE>
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting

address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on

6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2016.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM (Men who have Sex with Men): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

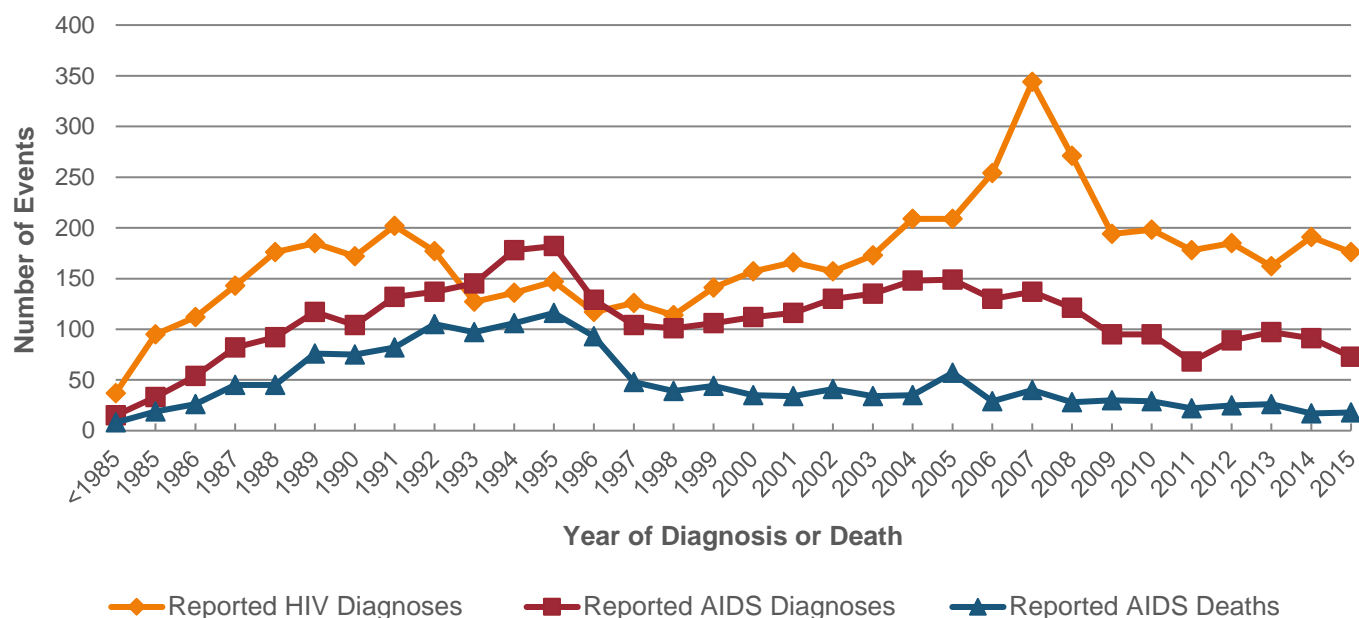
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Section II – Trends 1985-2015

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



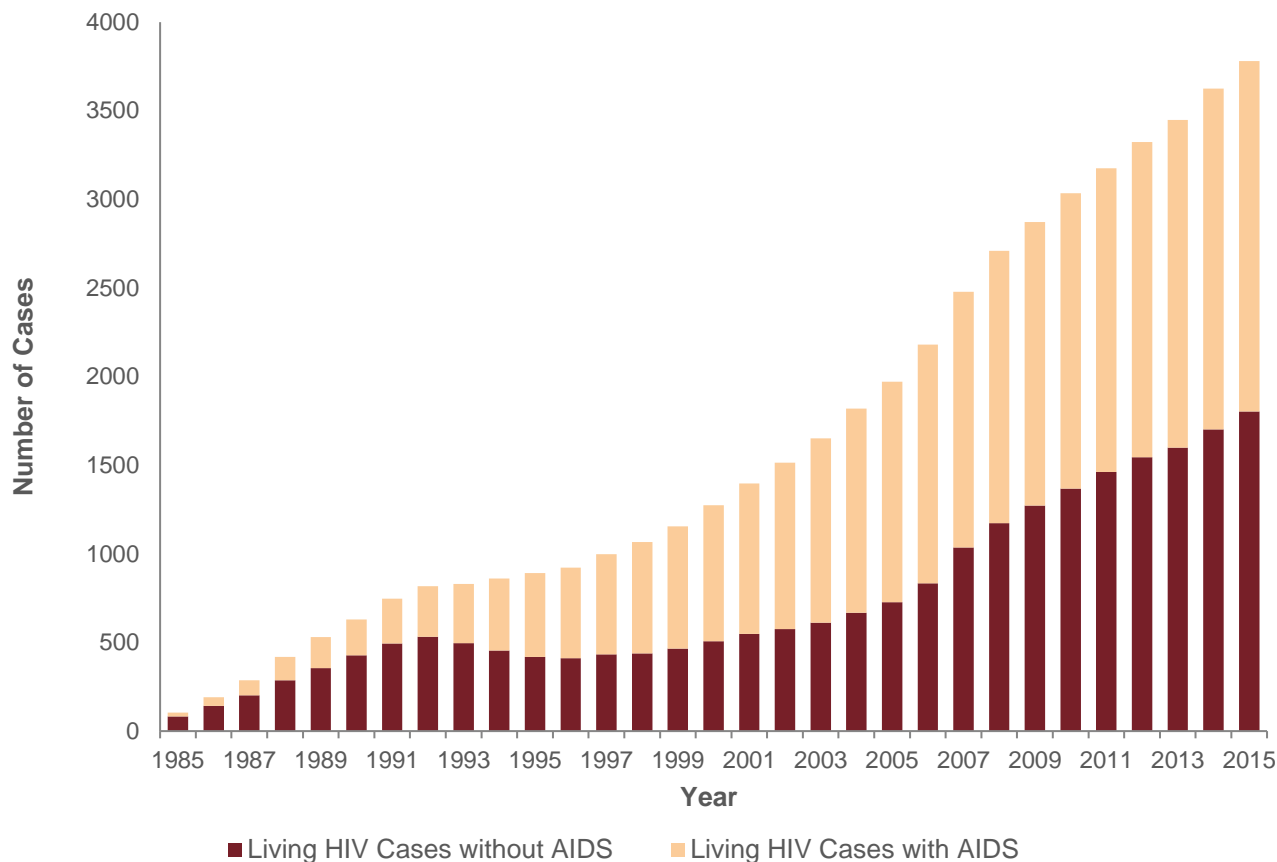
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	37	15	8	2000	157	112	35
1985	95	33	19	2001	166	116	34
1986	112	54	26	2002	157	130	41
1987	143	82	45	2003	173	135	34
1988	176	92	45	2004	209	148	35
1989	185	117	76	2005	209	149	57
1990	172	104	75	2006	254	130	29
1991	202	132	82	2007	344	137	40
1992	177	137	105	2008	271	121	28
1993	127	145	97	2009	194	95	30
1994	136	178	106	2010	198	95	29
1995	147	182	116	2011	178	68	22
1996	117	129	93	2012	185	89	25
1997	126	104	48	2013	162	97	26
1998	114	101	39	2014*	191	91	17
1999	141	106	44	2015*	176	73	18
				TOTAL	5,431	3,497	1,524

* 2014-2015 reported AIDS deaths are preliminary

Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

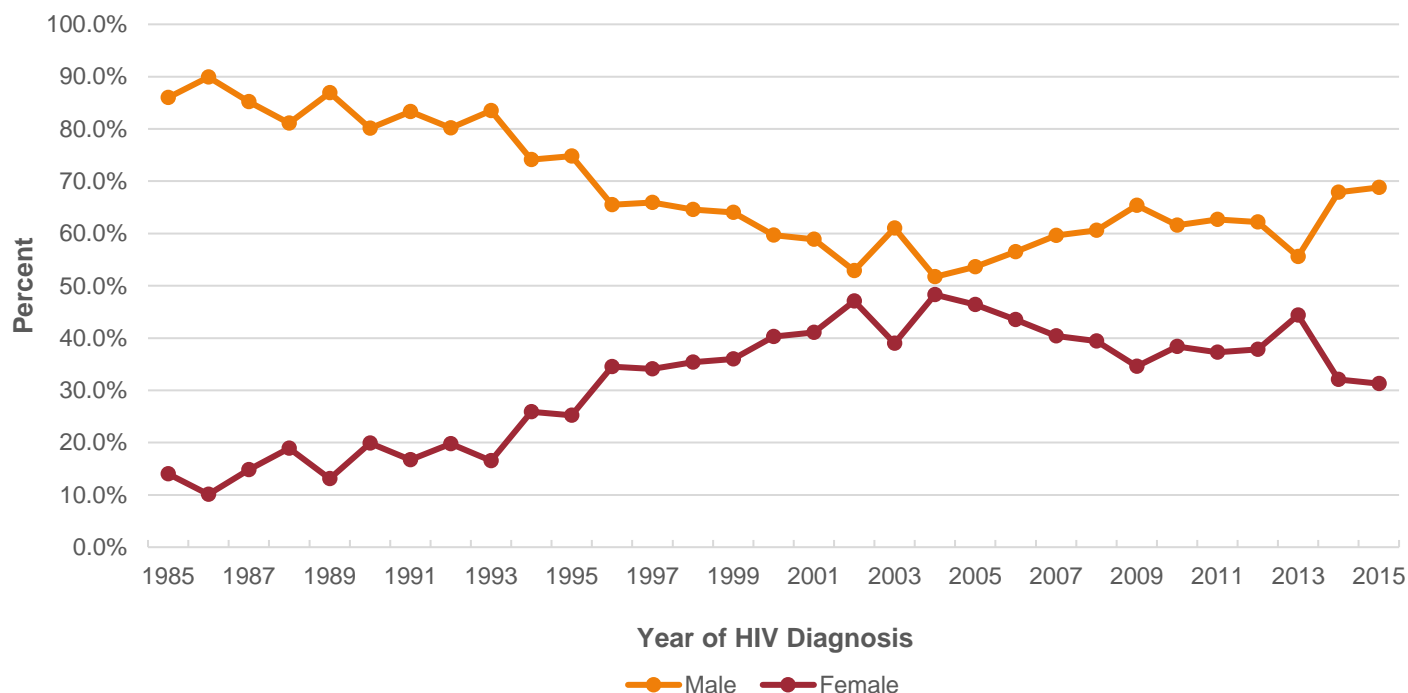
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	83	21	104	2000	507	767	1,274
1986	142	49	191	2001	548	850	1,398
1987	201	86	287	2002	575	939	1,514
1988	286	133	419	2003	611	1,040	1,651
1989	356	174	530	2004	667	1,153	1,820
1990	427	203	630	2005	727	1,245	1,972
1991	494	253	747	2006	834	1,346	2,180
1992	532	285	817	2007	1,036	1,443	2,479
1993	497	333	830	2008	1,174	1,536	2,710
1994	455	406	861	2009	1,272	1,601	2,873
1995	418	474	892	2010	1,368	1,667	3,035
1996	412	510	922	2011	1,463	1,713	3,176
1997	433	566	999	2012	1,546	1,777	3,323
1998	439	628	1,067	2013	1,600	1,848	3,448
1999	466	690	1,156	2014	1,703	1,922	3,625
				2015	1,804	1,977	3,781

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

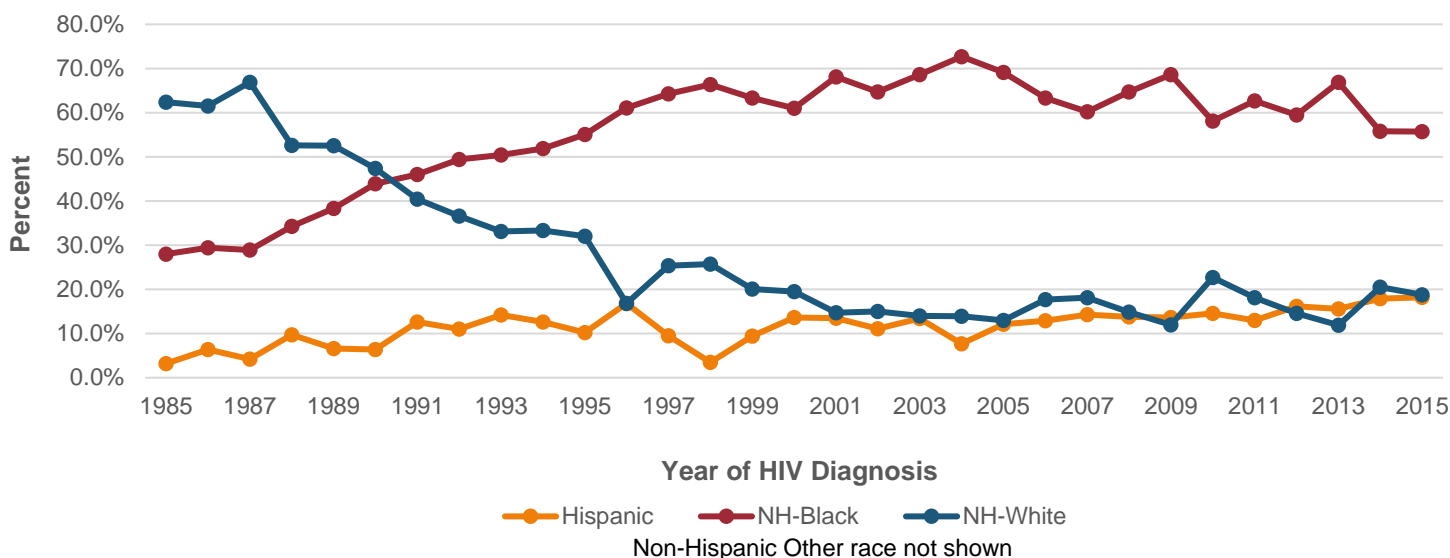
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	37	91.9%	8.1%	2000	154	59.7%	40.3%
1985	93	86.0%	14.0%	2001	163	58.9%	41.1%
1986	109	89.9%	10.1%	2002	153	52.9%	47.1%
1987	142	85.2%	14.8%	2003	172	61.0%	39.0%
1988	175	81.1%	18.9%	2004	209	51.7%	48.3%
1989	183	86.9%	13.1%	2005	207	53.6%	46.4%
1990	171	80.1%	19.9%	2006	248	56.5%	43.5%
1991	198	83.3%	16.7%	2007	342	59.6%	40.4%
1992	172	80.2%	19.8%	2008	269	60.6%	39.4%
1993	127	83.5%	16.5%	2009	191	65.4%	34.6%
1994	135	74.1%	25.9%	2010	198	61.6%	38.4%
1995	147	74.8%	25.2%	2011	177	62.7%	37.3%
1996	113	65.5%	34.5%	2012	185	62.2%	37.8%
1997	126	65.9%	34.1%	2013	160	55.6%	44.4%
1998	113	64.6%	35.4%	2014	190	67.9%	32.1%
1999	139	64.0%	36.0%	2015	176	68.8%	31.3%
				TOTAL	5,374	67.4%	32.6%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016

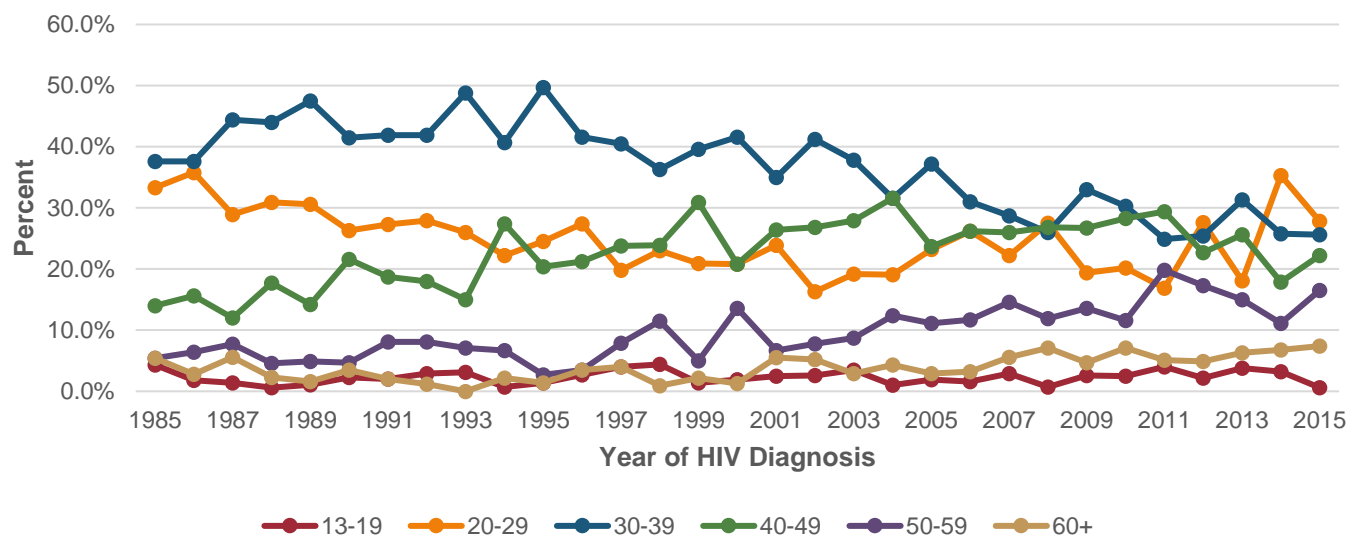
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	37	5.4%	40.5%	51.4%	2.7%
1985	93	3.2%	28.0%	62.4%	6.5%
1986	109	6.4%	29.4%	61.5%	2.8%
1987	142	4.2%	28.9%	66.9%	0.0%
1988	175	9.7%	34.3%	52.6%	3.4%
1989	183	6.6%	38.3%	52.5%	2.7%
1990	171	6.4%	43.9%	47.4%	2.3%
1991	198	12.6%	46.0%	40.4%	1.0%
1992	172	11.0%	49.4%	36.6%	2.9%
1993	127	14.2%	50.4%	33.1%	2.4%
1994	135	12.6%	51.9%	33.3%	2.2%
1995	147	10.2%	55.1%	32.0%	2.7%
1996	113	16.8%	61.1%	16.8%	5.3%
1997	126	9.5%	64.3%	25.4%	0.8%
1998	113	3.5%	66.4%	25.7%	4.4%
1999	139	9.4%	63.3%	20.1%	7.2%
2000	154	13.6%	61.0%	19.5%	5.8%
2001	163	13.5%	68.1%	14.7%	3.7%
2002	153	11.1%	64.7%	15.0%	9.2%
2003	172	13.4%	68.6%	14.0%	4.1%
2004	209	7.7%	72.7%	13.9%	5.7%
2005	207	12.1%	69.1%	13.0%	5.8%
2006	248	12.9%	63.3%	17.7%	6.0%
2007	342	14.3%	60.2%	18.1%	7.3%
2008	269	13.8%	64.7%	14.9%	6.7%
2009	191	13.6%	68.6%	12.0%	5.8%
2010	198	14.6%	58.1%	22.7%	4.5%
2011	177	13.0%	62.7%	18.1%	6.2%
2012	185	16.2%	59.5%	14.6%	9.7%
2013	160	15.6%	66.9%	11.9%	5.6%
2014	190	17.9%	55.8%	20.5%	5.8%
2015	176	18.2%	55.7%	18.8%	7.4%
TOTAL	5,374	11.9%	56.8%	26.3%	4.9%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

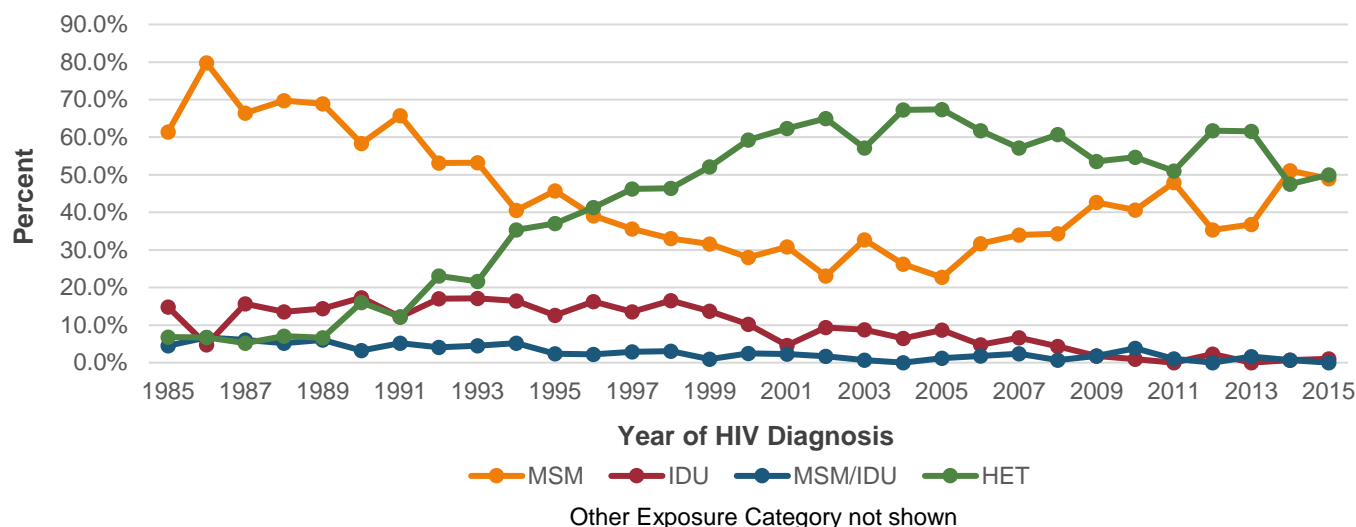
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	37	5.4%	29.7%	32.4%	18.9%	8.1%	5.4%
1985	93	4.3%	33.3%	37.6%	14.0%	5.4%	5.4%
1986	109	1.8%	35.8%	37.6%	15.6%	6.4%	2.8%
1987	142	1.4%	28.9%	44.4%	12.0%	7.7%	5.6%
1988	175	0.6%	30.9%	44.0%	17.7%	4.6%	2.3%
1989	183	1.1%	30.6%	47.5%	14.2%	4.9%	1.6%
1990	171	2.3%	26.3%	41.5%	21.6%	4.7%	3.5%
1991	198	2.0%	27.3%	41.9%	18.7%	8.1%	2.0%
1992	172	2.9%	27.9%	41.9%	18.0%	8.1%	1.2%
1993	127	3.1%	26.0%	48.8%	15.0%	7.1%	0.0%
1994	135	0.7%	22.2%	40.7%	27.4%	6.7%	2.2%
1995	147	1.4%	24.5%	49.7%	20.4%	2.7%	1.4%
1996	113	2.7%	27.4%	41.6%	21.2%	3.5%	3.5%
1997	126	4.0%	19.8%	40.5%	23.8%	7.9%	4.0%
1998	113	4.4%	23.0%	36.3%	23.9%	11.5%	0.9%
1999	139	1.4%	20.9%	39.6%	30.9%	5.0%	2.2%
2000	154	1.9%	20.8%	41.6%	20.8%	13.6%	1.3%
2001	163	2.5%	23.9%	35.0%	26.4%	6.7%	5.5%
2002	153	2.6%	16.3%	41.2%	26.8%	7.8%	5.2%
2003	172	3.5%	19.2%	37.8%	27.9%	8.7%	2.9%
2004	209	1.0%	19.1%	31.6%	31.6%	12.4%	4.3%
2005	207	1.9%	23.2%	37.2%	23.7%	11.1%	2.9%
2006	248	1.6%	26.2%	31.0%	26.2%	11.7%	3.2%
2007	342	2.9%	22.2%	28.7%	26.0%	14.6%	5.6%
2008	269	0.7%	27.5%	26.0%	26.8%	11.9%	7.1%
2009	191	2.6%	19.4%	33.0%	26.7%	13.6%	4.7%
2010	198	2.5%	20.2%	30.3%	28.3%	11.6%	7.1%
2011	177	4.0%	16.9%	24.9%	29.4%	19.8%	5.1%
2012	185	2.2%	27.6%	25.4%	22.7%	17.3%	4.9%
2013	160	3.8%	18.1%	31.3%	25.6%	15.0%	6.3%
2014	190	3.2%	35.3%	25.8%	17.9%	11.1%	6.8%
2015	176	0.6%	27.8%	25.6%	22.2%	16.5%	7.4%
TOTAL	5,374	2.3%	24.6%	35.7%	23.2%	10.2%	4.0%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	37	33	75.8%	9.1%	6.1%	3.0%	6.1%
1985	93	88	61.4%	14.8%	4.5%	6.8%	12.5%
1986	109	104	79.8%	4.8%	6.7%	6.7%	1.9%
1987	142	134	66.4%	15.7%	6.0%	5.2%	6.7%
1988	175	155	69.7%	13.5%	5.2%	7.1%	4.5%
1989	183	167	68.9%	14.4%	6.0%	6.6%	4.2%
1990	171	156	58.3%	17.3%	3.2%	16.0%	5.1%
1991	198	172	65.7%	12.2%	5.2%	12.2%	4.7%
1992	172	147	53.1%	17.0%	4.1%	23.1%	2.7%
1993	127	111	53.2%	17.1%	4.5%	21.6%	3.6%
1994	135	116	40.5%	16.4%	5.2%	35.3%	2.6%
1995	147	127	45.7%	12.6%	2.4%	37.0%	2.4%
1996	113	92	39.1%	16.3%	2.2%	41.3%	1.1%
1997	126	104	35.6%	13.5%	2.9%	46.2%	1.9%
1998	113	97	33.0%	16.5%	3.1%	46.4%	1.0%
1999	139	117	31.6%	13.7%	0.9%	52.1%	1.7%
2000	154	118	28.0%	10.2%	2.5%	59.3%	0.0%
2001	163	130	30.8%	4.6%	2.3%	62.3%	0.0%
2002	153	117	23.1%	9.4%	1.7%	65.0%	0.9%
2003	172	147	32.7%	8.8%	0.7%	57.1%	0.7%
2004	209	168	26.2%	6.5%	0.0%	67.3%	0.0%
2005	207	172	22.7%	8.7%	1.2%	67.4%	0.0%
2006	248	167	31.7%	4.8%	1.8%	61.7%	0.0%
2007	342	212	34.0%	6.6%	2.4%	57.1%	0.0%
2008	269	140	34.3%	4.3%	0.7%	60.7%	0.0%
2009	191	110	42.7%	1.8%	1.8%	53.6%	0.0%
2010	198	106	40.6%	0.9%	3.8%	54.7%	0.0%
2011	177	96	47.9%	0.0%	1.0%	51.0%	0.0%
2012	185	133	35.3%	2.3%	0.0%	61.7%	0.8%
2013	160	125	36.8%	0.0%	1.6%	61.6%	0.0%
2014	190	139	51.1%	0.7%	0.7%	47.5%	0.0%
2015*	176	96	49.0%	1.0%	0.0%	50.0%	0.0%
TOTAL	5,374	4,096	44.3%	9.3%	2.7%	41.9%	1.9%

* 2015 reported HIV exposure data are preliminary

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
20705	156	0	0.0%	0.0	--	--	--	--	--	--	--
20707	284	0	0.0%	0.0	--	--	--	--	--	--	--
20777	42	0	0.0%	0.0	--	--	--	--	--	--	--
20812	218	0	0.0%	0.0	--	--	--	--	--	--	--
20814	25,605	5	2.8%	19.5	***	***	***	***	***	***	***
20815	26,547	3	1.7%	11.3	***	***	***	***	***	***	***
20816	14,136	2	1.1%	14.1	***	***	***	***	***	***	***
20817	31,786	1	0.6%	3.1	***	***	***	***	***	***	***
20818	1,789	0	0.0%	0.0	--	--	--	--	--	--	--
20832	22,227	3	1.7%	13.5	***	***	***	***	***	***	***
20833	6,680	1	0.6%	15.0	***	***	***	***	***	***	***
20837	5,174	0	0.0%	0.0	--	--	--	--	--	--	--
20838	236	0	0.0%	0.0	--	--	--	--	--	--	--
20839	200	0	0.0%	0.0	--	--	--	--	--	--	--
20841	8,775	0	0.0%	0.0	--	--	--	--	--	--	--
20842	1,382	0	0.0%	0.0	--	--	--	--	--	--	--
20850	41,735	9	5.1%	21.6	7	77.8%	***	***	8	88.9%	233
20851	12,870	4	2.3%	31.1	***	***	***	***	***	***	***
20852	37,779	8	4.5%	21.2	***	***	***	***	6	75.0%	366
20853	26,599	5	2.8%	18.8	5	100.0%	***	***	5	100.0%	578
20854	44,247	3	1.7%	6.8	***	***	***	***	***	***	***
20855	13,072	1	0.6%	7.6	***	***	***	***	***	***	***
20860	2,178	1	0.6%	45.9	***	***	***	***	***	***	***
20861	1,701	1	0.6%	58.8	***	***	***	***	***	***	***
20862	327	0	0.0%	0.0	--	--	--	--	--	--	--
20866	11,687	4	2.3%	34.2	***	***	***	***	***	***	***
20868	710	0	0.0%	0.0	--	--	--	--	--	--	--
20871	10,328	1	0.6%	9.7	***	***	***	***	***	***	***
20872	11,467	0	0.0%	0.0	--	--	--	--	--	--	--
20874	49,608	11	6.3%	22.2	10	90.9%	***	***	10	90.9%	570
20876	21,809	4	2.3%	18.3	***	***	***	***	***	***	***
20877	30,029	3	1.7%	10.0	***	***	***	***	***	***	***
20878	54,779	4	2.3%	7.3	***	***	***	***	***	***	***
20879	21,352	3	1.7%	14.1	***	***	***	***	***	***	***
20880	423	0	0.0%	0.0	--	--	--	--	--	--	--
20882	12,586	0	0.0%	0.0	--	--	--	--	--	--	--
20886	29,320	7	4.0%	23.9	6	85.7%	***	***	5	71.4%	351
20895	16,647	2	1.1%	12.0	***	***	***	***	***	***	***
20896	802	0	0.0%	0.0	--	--	--	--	--	--	--
20899	148	0	0.0%	0.0	--	--	--	--	--	--	--
20901	30,456	10	5.7%	32.8	7	70.0%	***	***	7	70.0%	285

20902	42,888	14	8.0%	32.6	10	71.4%	***	***	11	78.6%	470
20903	15,738	3	1.7%	19.1	***	***	***	***	***	***	***
20904	48,475	22	12.5%	45.4	21	95.5%	***	***	18	81.8%	379
20905	16,384	2	1.1%	12.2	***	***	***	***	***	***	***
20906	58,774	18	10.2%	30.6	15	83.3%	5	27.8%	16	88.9%	441
20910	34,958	11	6.3%	31.5	7	63.6%	***	***	8	72.7%	588
20912	18,991	7	4.0%	36.9	7	100.0%	***	***	7	100.0%	163
21771	230	0	0.0%	0.0	--	--	--	--	--	--	--
Unknown	--	3	1.7%	--	3	100.0%	1	33.3%	2	66.7%	510
TOTAL	864,331	176	100.0%	20.4	144	81.8%	44	25.0%	143	81.3%	360

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
20705	156	0	0.0%	0.0	--	--
20707	284	***	***	***	***	***
20777	42	0	0.0%	0.0	--	--
20812	218	0	0.0%	0.0	--	--
20814	25,605	2	2.8%	7.8	***	***
20815	26,547	0	0.0%	0.0	--	--
20816	14,136	0	0.0%	0.0	--	--
20817	31,786	0	0.0%	0.0	--	--
20818	1,789	0	0.0%	0.0	--	--
20832	22,227	1	1.4%	4.5	***	***
20833	6,680	1	1.4%	15.0	***	***
20837	5,174	0	0.0%	0.0	--	--
20838	236	0	0.0%	0.0	--	--
20839	200	0	0.0%	0.0	--	--
20841	8,775	0	0.0%	0.0	--	--
20842	1,382	0	0.0%	0.0	--	--
20850	41,735	5	6.9%	12.0	10.0	40.0%
20851	12,870	0	0.0%	0.0	--	--
20852	37,779	1	1.4%	2.6	***	***
20853	26,599	0	0.0%	0.0	--	--
20854	44,247	0	0.0%	0.0	--	--
20855	13,072	1	1.4%	7.6	***	***
20860	2,178	0	0.0%	0.0	--	--
20861	1,701	0	0.0%	0.0	--	--
20862	327	0	0.0%	0.0	--	--
20866	11,687	2	2.8%	17.1	***	***
20868	710	0	0.0%	0.0	--	--
20871	10,328	0	0.0%	0.0	--	--
20872	11,467	1	1.4%	8.7	***	***
20874	49,608	2	2.8%	4.0	***	***
20876	21,809	4	5.6%	18.3	***	***
20877	30,029	3	4.2%	10.0	***	***
20878	54,779	2	2.8%	3.7	***	***
20879	21,352	3	4.2%	14.1	***	***
20880	423	0	0.0%	0.0	--	--
20882	12,586	0	0.0%	0.0	--	--
20886	29,320	3	4.2%	10.2	***	***
20895	16,647	1	1.4%	6.0	***	***
20896	802	0	0.0%	0.0	--	--
20899	148	0	0.0%	0.0	--	--
20901	30,456	8	11.1%	26.3	3.3	62.5%
20902	42,888	2	2.8%	4.7	***	***
20903	15,738	3	4.2%	19.1	***	***
20904	48,475	7	9.7%	14.4	3.0	57.1%

20905	16,384	2	2.8%	12.2	***	***
20906	58,774	8	11.1%	13.6	4.4	62.5%
20910	34,958	2	2.8%	5.7	***	***
20912	18,991	5	6.9%	26.3	1.7	60.0%
21771	230	0	0.0%	0.0	--	--
Unknown	--	2	2.8%	--	1.0	50.0%
TOTAL	864,331	72	100.0%	8.3	3.1	65.3%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
20705	156	***	***	***	***	***	***	***	***	***	***
20707	284	***	***	***	***	***	***	***	***	***	***
20777	42	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20812	218	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20814	25,605	34	1.9%	132.8	22	1.1%	85.9	56	1.5%	218.7	457
20815	26,547	22	1.2%	82.9	19	1.0%	71.6	41	1.1%	154.4	647
20816	14,136	19	1.1%	134.4	8	0.4%	56.6	27	0.7%	191.0	523
20817	31,786	23	1.3%	72.4	15	0.8%	47.2	38	1.0%	119.6	836
20818	1,789	3	0.2%	167.7	3	0.2%	167.7	6	0.2%	335.4	298
20832	22,227	17	1.0%	76.5	9	0.5%	40.5	26	0.7%	117.0	854
20833	6,680	5	0.3%	74.9	3	0.2%	44.9	8	0.2%	119.8	834
20837	5,174	2	0.1%	38.7	3	0.2%	58.0	5	0.1%	96.6	1,034
20838	236	***	***	***	***	***	***	***	***	***	***
20839	200	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20841	8,775	7	0.4%	79.8	3	0.2%	34.2	10	0.3%	114.0	877
20842	1,382	1	0.1%	72.4	1	0.1%	72.4	2	0.1%	144.7	691
20850	41,735	72	4.1%	172.5	62	3.2%	148.6	134	3.6%	321.1	311
20851	12,870	34	1.9%	264.2	9	0.5%	69.9	43	1.2%	334.1	299
20852	37,779	76	4.3%	201.2	48	2.5%	127.1	124	3.3%	328.2	304
20853	26,599	29	1.6%	109.0	39	2.0%	146.6	68	1.8%	255.6	391
20854	44,247	37	2.1%	83.6	18	0.9%	40.7	55	1.5%	124.3	804
20855	13,072	14	0.8%	107.1	17	0.9%	130.0	31	0.8%	237.1	421
20860	2,178	1	0.1%	45.9	4	0.2%	183.6	5	0.1%	229.5	435
20861	1,701	2	0.1%	117.6	2	0.1%	117.6	4	0.1%	235.2	425
20862	327	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20866	11,687	33	1.9%	282.4	31	1.6%	265.3	64	1.7%	547.6	182
20868	710	***	***	***	***	***	***	***	***	***	***
20871	10,328	5	0.3%	48.4	10	0.5%	96.8	15	0.4%	145.2	688
20872	11,467	10	0.6%	87.2	8	0.4%	69.8	18	0.5%	157.0	637
20874	49,608	114	6.4%	229.8	93	4.7%	187.5	207	5.5%	417.3	239
20876	21,809	35	2.0%	160.5	26	1.3%	119.2	61	1.6%	279.7	357
20877	30,029	69	3.9%	229.8	106	5.4%	353.0	175	4.7%	582.8	171
20878	54,779	50	2.8%	91.3	67	3.4%	122.3	117	3.1%	213.6	468
20879	21,352	32	1.8%	149.9	49	2.5%	229.5	81	2.2%	379.4	263
20880	423	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20882	12,586	12	0.7%	95.3	7	0.4%	55.6	19	0.5%	151.0	662
20886	29,320	47	2.6%	160.3	69	3.5%	235.3	116	3.1%	395.6	252
20895	16,647	17	1.0%	102.1	27	1.4%	162.2	44	1.2%	264.3	378
20896	802	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20899	148	***	***	***	***	***	***	***	***	***	***
20901	30,456	89	5.0%	292.2	100	5.1%	328.3	189	5.1%	620.6	161
20902	42,888	127	7.1%	296.1	152	7.8%	354.4	279	7.5%	650.5	153
20903	15,738	65	3.7%	413.0	95	4.8%	603.6	160	4.3%	1,016.7	98
20904	48,475	195	11.0%	402.3	221	11.3%	455.9	416	11.1%	858.2	116
20905	16,384	13	0.7%	79.3	23	1.2%	140.4	36	1.0%	219.7	455

20906	58,774	157	8.8%	267.1	181	9.2%	308.0	338	9.0%	575.1	173
20910	34,958	164	9.2%	469.1	181	9.2%	517.8	345	9.2%	986.9	101
20912	18,991	106	6.0%	558.2	178	9.1%	937.3	284	7.6%	1,495.4	66
21771	230	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
Unknown	--	31	1.7%	--	44	2.2%	--	75	2.0%	--	--
TOTAL	864,331	1,777	100.0%	205.6	1,959	100.0%	226.6	3,736	100.0%	432.2	231

*** Data withheld due to low population counts and/or case counts

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016

ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS										
JURISDICTION OF RESIDENCE	POPULATION AGE 13+	Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
20705	156	***	***	***	***	***	***	***	***	***
20707	284	***	***	***	***	***	***	***	***	***
20777	42	***	***	***	***	***	***	***	***	***
20812	218	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20814	25,605	56	1.5%	218.7	457	57	1.8%	222.6	449	1.8%
20815	26,547	41	1.1%	154.4	647	30	1.0%	113.0	884	-26.8%
20816	14,136	27	0.7%	191.0	523	25	0.8%	176.9	565	-7.4%
20817	31,786	38	1.0%	119.6	836	30	1.0%	94.4	1,059	-21.1%
20818	1,789	6	0.2%	335.4	298	4	0.1%	223.6	447	-33.3%
20832	22,227	26	0.7%	117.0	854	37	1.2%	166.5	600	42.3%
20833	6,680	8	0.2%	119.8	834	9	0.3%	134.7	742	12.5%
20837	5,174	5	0.1%	96.6	1,034	8	0.3%	154.6	646	60.0%
20838	236	***	***	***	***	***	***	***	***	***
20839	200	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20841	8,775	10	0.3%	114.0	877	9	0.3%	102.6	974	-10.0%
20842	1,382	2	0.1%	144.7	691	1	0.0%	72.4	1,382	-50.0%
20850	41,735	134	3.6%	321.1	311	106	3.4%	254.0	393	-20.9%
20851	12,870	43	1.2%	334.1	299	47	1.5%	365.2	273	9.3%
20852	37,779	124	3.3%	328.2	304	101	3.3%	267.3	374	-18.5%
20853	26,599	68	1.8%	255.6	391	81	2.6%	304.5	328	19.1%
20854	44,247	55	1.5%	124.3	804	36	1.2%	81.4	1,229	-34.5%
20855	13,072	31	0.8%	237.1	421	13	0.4%	99.4	1,005	-58.1%
20860	2,178	5	0.1%	229.5	435	2	0.1%	91.8	1,089	-60.0%
20861	1,701	4	0.1%	235.2	425	4	0.1%	235.2	425	0.0%
20862	327	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20866	11,687	64	1.7%	547.6	182	62	2.0%	530.5	188	-3.1%
20868	710	***	***	***	***	***	***	***	***	***
20871	10,328	15	0.4%	145.2	688	27	0.9%	261.4	382	80.0%
20872	11,467	18	0.5%	157.0	637	12	0.4%	104.6	955	-33.3%
20874	49,608	207	5.5%	417.3	239	186	6.0%	374.9	266	-10.1%
20876	21,809	61	1.6%	279.7	357	72	2.3%	330.1	302	18.0%
20877	30,029	175	4.7%	582.8	171	128	4.2%	426.3	234	-26.9%
20878	54,779	117	3.1%	213.6	468	85	2.8%	155.2	644	-27.4%
20879	21,352	81	2.2%	379.4	263	64	2.1%	299.7	333	-21.0%
20880	423	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20882	12,586	19	0.5%	151.0	662	16	0.5%	127.1	786	-15.8%
20886	29,320	116	3.1%	395.6	252	122	4.0%	416.1	240	5.2%
20895	16,647	44	1.2%	264.3	378	41	1.3%	246.3	406	-6.8%
20896	802	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20899	148	***	***	***	***	***	***	***	***	***
20901	30,456	189	5.1%	620.6	161	188	6.1%	617.3	161	-0.5%
20902	42,888	279	7.5%	650.5	153	208	6.7%	485.0	206	-25.4%
20903	15,738	160	4.3%	1,016.7	98	90	2.9%	571.9	174	-43.8%
20904	48,475	416	11.1%	858.2	116	380	12.3%	783.9	127	-8.7%
20905	16,384	36	1.0%	219.7	455	29	0.9%	177.0	564	-19.4%
20906	58,774	338	9.0%	575.1	173	310	10.1%	527.4	189	-8.3%

20910	34,958	345	9.2%	986.9	101	256	8.3%	732.3	136	-25.8%
20912	18,991	284	7.6%	1,495.4	66	163	5.3%	858.3	116	-42.6%
21771	230	0	0.0%	0.0	--	0	0.0%	0.0	--	--
Unknown	--	75	2.0%	--	--	35	1.1%	--	--	-53.3%
TOTAL	864,331	3,736	100.0%	432.2	231	3,082	100.0%	356.6	280	-17.5%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
20705	***	***	***	***	***	***	***	***
20707	***	***	***	***	***	***	***	***
20777	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20812	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20814	56	18	32.1%	482	22.2%	5.6%	27.8%	44.4%
20815	41	19	46.3%	483	10.5%	26.3%	15.8%	47.4%
20816	27	13	48.1%	640	7.7%	0.0%	15.4%	76.9%
20817	38	15	39.5%	603	0.0%	20.0%	20.0%	60.0%
20818	6	***	***	***	***	***	***	***
20832	26	12	46.2%	522	8.3%	8.3%	25.0%	58.3%
20833	8	***	***	***	***	***	***	***
20837	5	***	***	***	***	***	***	***
20838	***	***	***	***	***	***	***	***
20839	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20841	10	5	50.0%	525	0.0%	0.0%	20.0%	80.0%
20842	2	***	***	***	***	***	***	***
20850	134	56	41.8%	522	10.7%	16.1%	19.6%	53.6%
20851	43	22	51.2%	587	4.5%	9.1%	18.2%	68.2%
20852	124	51	41.1%	581	5.9%	9.8%	17.6%	66.7%
20853	68	46	67.6%	537	0.0%	13.0%	28.3%	58.7%
20854	55	15	27.3%	573	6.7%	0.0%	33.3%	60.0%
20855	31	18	58.1%	571	5.6%	22.2%	16.7%	55.6%
20860	5	***	***	***	***	***	***	***
20861	4	***	***	***	***	***	***	***
20862	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20866	64	38	59.4%	590	13.2%	7.9%	13.2%	65.8%
20868	***	***	***	***	***	***	***	***
20871	15	9	60.0%	567	0.0%	22.2%	22.2%	55.6%
20872	18	11	61.1%	434	9.1%	18.2%	27.3%	45.5%
20874	207	106	51.2%	536	11.3%	16.0%	18.9%	53.8%
20876	61	30	49.2%	593	16.7%	3.3%	20.0%	60.0%
20877	175	105	60.0%	504	12.4%	14.3%	21.0%	52.4%
20878	117	71	60.7%	530	5.6%	18.3%	21.1%	54.9%
20879	81	42	51.9%	549	7.1%	14.3%	21.4%	57.1%
20880	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20882	19	10	52.6%	445	10.0%	30.0%	20.0%	40.0%
20886	116	75	64.7%	536	13.3%	13.3%	20.0%	53.3%
20895	44	19	43.2%	540	5.3%	15.8%	21.1%	57.9%
20896	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
20899	***	***	***	***	***	***	***	***
20901	189	102	54.0%	565	7.8%	12.7%	20.6%	58.8%
20902	279	151	54.1%	525	7.3%	15.9%	21.9%	55.0%
20903	160	76	47.5%	556	7.9%	10.5%	19.7%	61.8%
20904	416	228	54.8%	544	10.5%	14.0%	21.5%	53.9%

20905	36	23	63.9%	566	17.4%	8.7%	8.7%	65.2%
20906	338	180	53.3%	552	8.9%	15.6%	18.3%	57.2%
20910	345	156	45.2%	551	7.7%	15.4%	20.5%	56.4%
20912	284	156	54.9%	552	10.9%	17.3%	17.9%	53.8%
21771	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
Unknown	75	20	26.7%	506	25.0%	15.0%	10.0%	50.0%
TOTAL	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
20705	***	***	***	***	***
20707	***	***	***	***	***
20777	0	0	0.0%	0.0%	--
20812	0	0	0.0%	0.0%	--
20814	56	18	32.1%	83.3%	370,410
20815	41	18	43.9%	88.9%	75,545
20816	27	13	48.1%	100.0%	--
20817	38	16	42.1%	100.0%	--
20818	6	***	***	***	***
20832	26	11	42.3%	90.9%	58,596
20833	8	***	***	***	***
20837	5	***	***	***	***
20838	***	***	***	***	***
20839	0	0	0.0%	0.0%	--
20841	10	6	60.0%	100.0%	--
20842	2	***	***	***	***
20850	134	56	41.8%	87.5%	41,390
20851	43	23	53.5%	78.3%	66,834
20852	124	54	43.5%	85.2%	21,294
20853	68	48	70.6%	85.4%	10,770
20854	55	15	27.3%	80.0%	4,400
20855	31	15	48.4%	100.0%	--
20860	5	***	***	***	***
20861	4	***	***	***	***
20862	0	0	0.0%	0.0%	--
20866	64	38	59.4%	84.2%	99,630
20868	***	***	***	***	***
20871	15	11	73.3%	54.5%	6,900
20872	18	9	50.0%	88.9%	7,280
20874	207	108	52.2%	85.2%	3,825
20876	61	28	45.9%	71.4%	30,199
20877	175	107	61.1%	81.3%	9,629
20878	117	66	56.4%	89.4%	630
20879	81	38	46.9%	86.8%	3,050
20880	0	0	0.0%	0.0%	--
20882	19	8	42.1%	87.5%	1,585
20886	116	77	66.4%	81.8%	5,012
20895	44	21	47.7%	90.5%	62,611
20896	0	0	0.0%	0.0%	--
20899	***	***	***	***	***
20901	189	99	52.4%	89.9%	3,131
20902	279	148	53.0%	86.5%	4,383
20903	160	77	48.1%	87.0%	40,800

20904	416	226	54.3%	82.3%	15,776
20905	36	21	58.3%	85.7%	14,210
20906	338	178	52.7%	84.3%	16,255
20910	345	154	44.6%	85.7%	5,831
20912	284	158	55.6%	87.3%	23,915
21771	0	0	0.0%	0.0%	--
Unknown	75	20	26.7%	75.0%	33,890
TOTAL	3,736	1,913	51.2%	85.3%	11,740

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

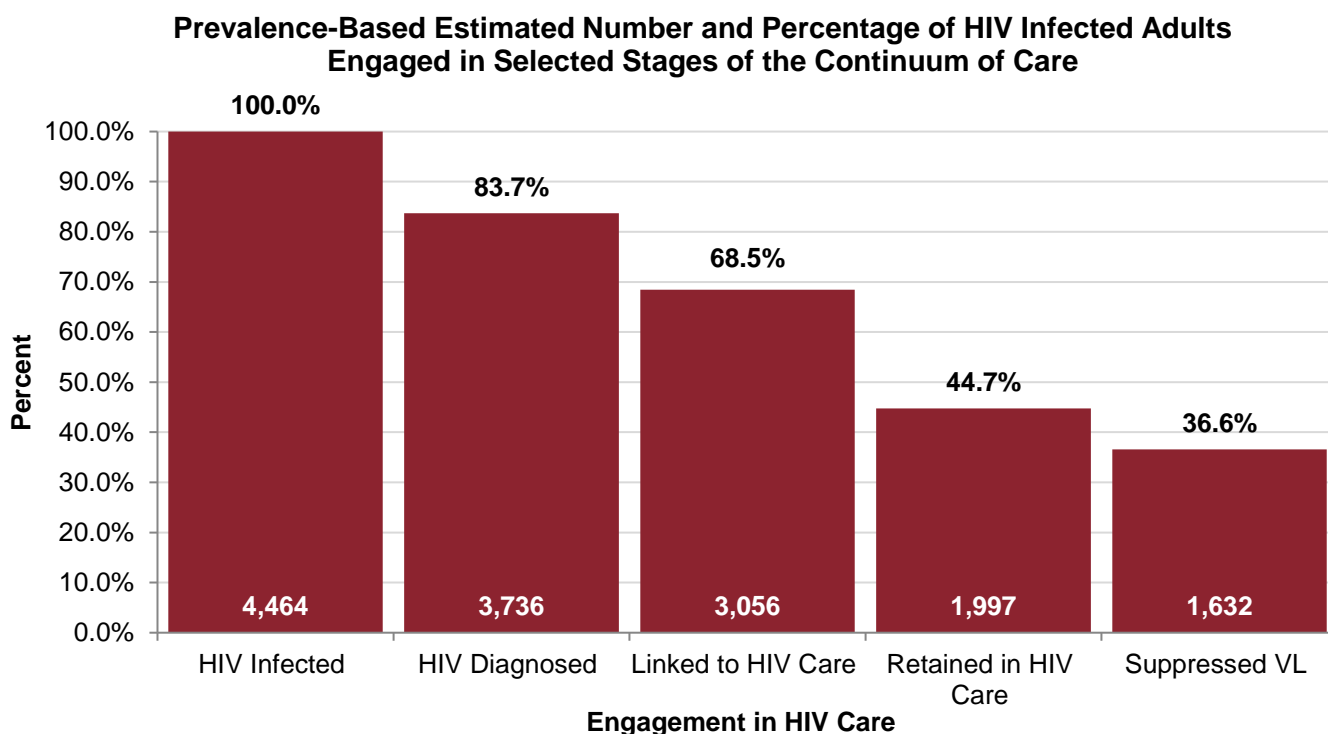
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Montgomery County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)² to generate an estimated number of HIV infected persons in Montgomery County. It then uses local data to describe the number and percentage of persons living with HIV in Montgomery County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	4,464	100.0%
HIV Diagnosed	3,736	83.7%
Linked to HIV Care	3,056	68.5%
Retained in HIV Care	1,997	44.7%
Suppressed VL	1,632	36.6%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

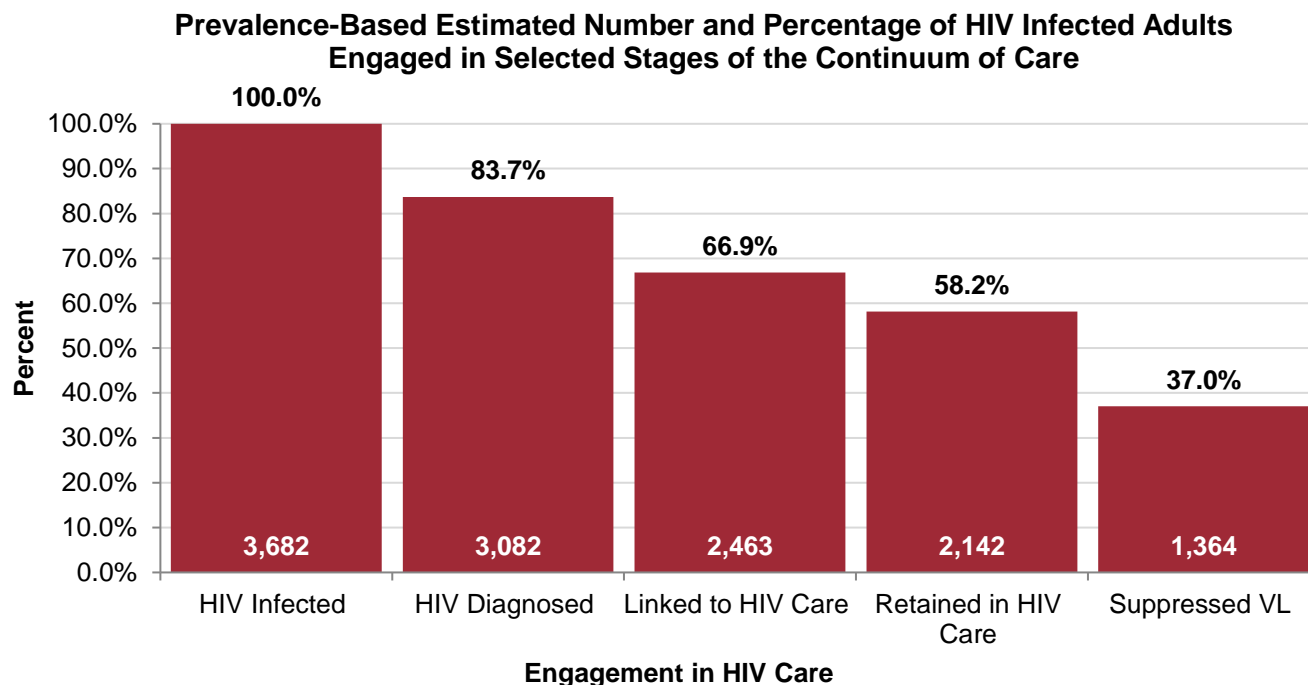
Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

² Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence-based Montgomery County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)¹ to generate an estimated number of HIV infected persons in Montgomery County. It then uses local data for current Montgomery County residents to describe the number and percentage of persons living with HIV in Montgomery County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	3,682	100.0%
HIV Diagnosed	3,082	83.7%
Linked to HIV Care	2,463	66.9%
Retained in HIV Care	2,142	58.2%
Suppressed VL	1,364	37.0%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

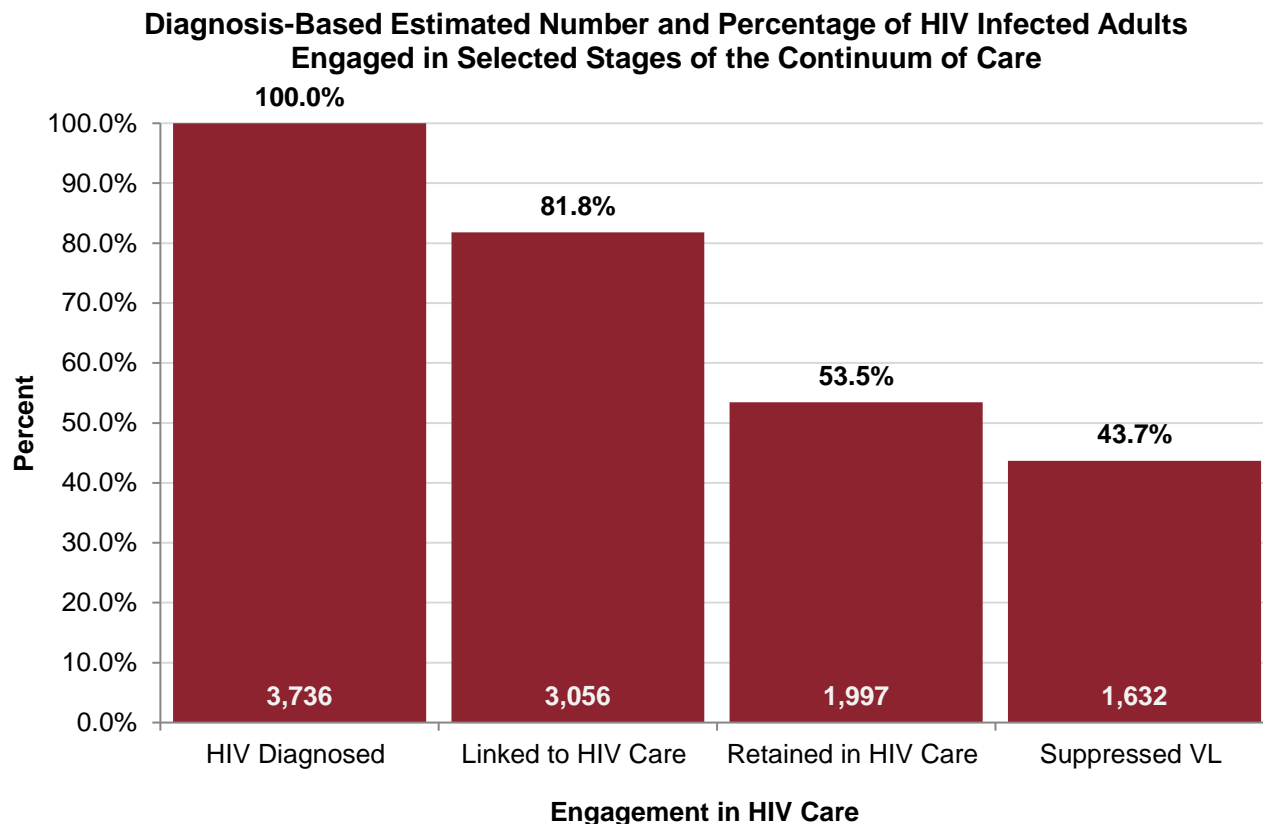
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

¹ Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Montgomery County Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in Montgomery County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	3,736	100.0%
Linked to HIV Care	3,056	81.8%
Retained in HIV Care	1,997	53.5%
Suppressed VL	1,632	43.7%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

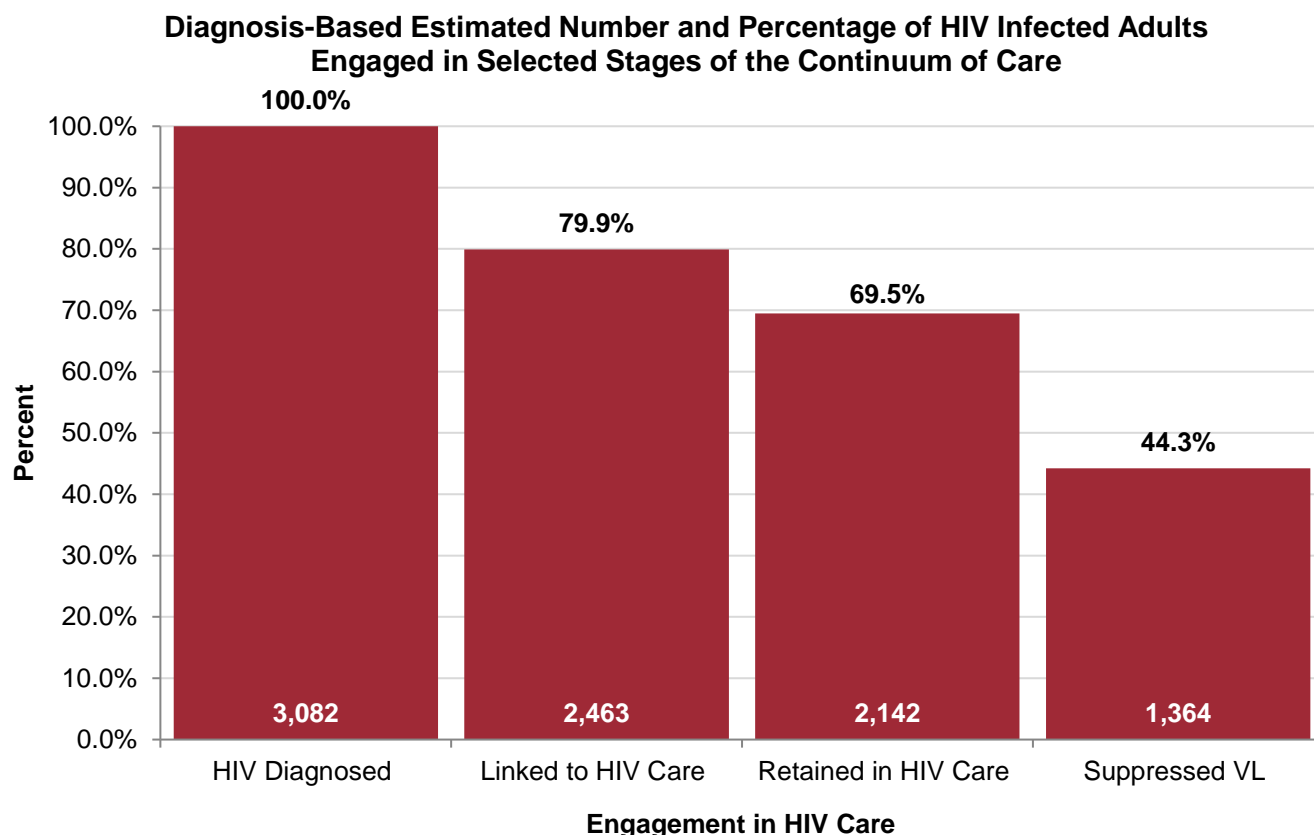
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Montgomery County Engagement in HIV Care Cascade (below) uses local data for current Montgomery County residents to describe the number and percentage of persons diagnosed with HIV in Montgomery County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	3,082	100.0%
Linked to HIV Care	2,463	79.9%
Retained in HIV Care	2,142	69.5%
Suppressed VL	1,364	44.3%

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

Suppressed Viral Load: HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES								First CD4 Test Result	
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
<5 (Pediatric)	67,740	0	0.0%	0.0	--	--	--	--	--	--	--
5-12 (Pediatric)	108,045	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	90,275	1	0.6%	1.1	***	***	***	***	***	***	***
20-29	125,143	49	27.8%	39.2	36	73.5%	8	16.3%	40	81.6%	375
30-39	144,892	45	25.6%	31.1	40	88.9%	12	26.7%	39	86.7%	460
40-49	145,974	39	22.2%	26.7	32	82.1%	9	23.1%	29	74.4%	498
50-59	149,784	29	16.5%	19.4	26	89.7%	13	44.8%	26	89.7%	231
60+	208,263	13	7.4%	6.2	***	***	***	***	***	***	***
TOTAL	1,040,116	176	100.0%	16.9	144	81.8%	44	25.0%	143	81.3%	360

*** Data withheld due to low population counts and/or case counts

Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	67,740	0	0.0%	0.0	--	--
5-12 (Pediatric)	108,045	0	0.0%	0.0	--	--
13-19	90,275	0	0.0%	0.0	--	--
20-29	125,143	12	16.4%	9.6	***	***
30-39	144,892	19	26.0%	13.1	1.8	73.7%
40-49	145,974	20	27.4%	13.7	3.5	55.0%
50-59	149,784	18	24.7%	12.0	4.6	61.1%
60+	208,263	4	5.5%	1.9	***	***
TOTAL	1,040,116	73	100.0%	7.0	3.3	64.4%

*** Data withheld due to low population counts and/or case counts

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5 (Pediatric)	67,740	1	0.1%	1.5	0	0.0%	0.0	1	0.0%	1.5	67,740
5-12 (Pediatric)	108,045	7	0.4%	6.5	0	0.0%	0.0	7	0.2%	6.5	15,434
13-19	90,275	24	1.3%	26.6	4	0.2%	4.4	28	0.7%	31.0	3,224
20-29	125,143	210	11.6%	167.8	76	3.8%	60.7	286	7.6%	228.5	437
30-39	144,892	421	23.3%	290.6	297	15.0%	205.0	718	19.0%	495.5	201
40-49	145,974	474	26.3%	324.7	613	31.0%	419.9	1,087	28.7%	744.7	134
50-59	149,784	447	24.8%	298.4	628	31.8%	419.3	1,075	28.4%	717.7	139
60+	208,263	220	12.2%	105.6	359	18.2%	172.4	579	15.3%	278.0	359
TOTAL	1,040,116	1,804	100.0%	173.4	1,977	100.0%	190.1	3,781	100.0%	363.5	275

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	13	8	61.5%	646	0.0%	0.0%	25.0%	75.0%
20-29	267	160	59.9%	527	8.8%	14.4%	24.4%	52.5%
30-39	715	389	54.4%	533	10.8%	13.6%	21.3%	54.2%
40-49	1,087	552	50.8%	546	8.5%	14.3%	20.8%	56.3%
50-59	1,075	541	50.3%	553	10.9%	15.3%	17.2%	56.6%
60+	579	275	47.5%	574	7.3%	12.4%	20.0%	60.4%
TOTAL	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	13	8	61.5%	87.5%	3,575
20-29	267	153	57.3%	72.5%	17,148
30-39	715	387	54.1%	82.7%	13,794
40-49	1,087	556	51.1%	87.4%	19,974
50-59	1,075	536	49.9%	86.6%	8,045
60+	579	273	47.2%	89.0%	4,486
TOTAL	3,736	1,913	51.2%	85.3%	11,740

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age on [date]: Age group of living cases on the specified date.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Male	411,788	121	68.8%	29	98	81.0%	28	23.1%	100	82.6%	385
Female	452,543	55	31.3%	12	46	83.6%	16	29.1%	43	78.2%	303
TOTAL	864,331	176	100.0%	20	144	81.8%	44	25.0%	143	81.3%	360

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Hispanic	150,997	32	18.2%	21.2	26	81.3%	8	25.0%	24	75.0%	305
Non-Hispanic	713,334	144	81.8%	20.2	118	81.9%	36	25.0%	119	82.6%	367
American Indian/Alaska Native, only	1,477	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
Asian, only	134,546	7	4.0%	5.2	7	100.0%	***	***	6	85.7%	510
Black, only	150,936	98	55.7%	64.9	80	81.6%	30	30.6%	81	82.7%	303
Native Hawaiian/ Other Pacific Islander, only	400	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
White only	408,723	33	18.8%	8.1	26	78.8%	***	***	26	78.8%	519
Multiracial/ Other	17,252	6	3.4%	34.8	5	83.3%	***	***	6	100.0%	774
TOTAL	864,331	176	100.0%	20.4	144	81.8%	44	25.0%	143	81.3%	360

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
United States	522,054	126	71.6%	24.1	100	79.4%	31	24.6%	102	81.0%	379
Foreign-born	311,176	27	15.3%	8.7	23	85.2%	9	33.3%	24	88.9%	278
Africa	--	18	10.2%	--	14	77.8%	6	33.3%	15	83.3%	245
Asia	--	1	0.6%	--	***	***	***	***	***	***	***
Caribbean	--	0	0.0%	--	0	0.0%	0	0.0%	0	0.0%	--
Central America	--	5	2.8%	--	5	100.0%	***	***	5	100.0%	270
Other	--	3	1.7%	--	***	***	***	***	***	***	***
Unknown	--	23	13.1%	--	21	91.3%	4	17.4%	17	73.9%	360
TOTAL	833,230	176	100.0%	21.1	144	81.8%	44	25.0%	143	81.3%	360

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	411,788	47	65.3%	11.4	2.9	68.1%
Female	452,543	25	34.7%	5.5	3.3	60.0%
TOTAL	864,331	72	100.0%	8.3	3.1	65.3%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	150,997	13	18.1%	8.6	1.1	84.6%
Non-Hispanic	713,334	59	81.9%	8.3	3.5	61.0%
American Indian/Alaska Native, only	1,477	0	0.0%	0.0	--	--
Asian, only	134,546	1	1.4%	0.7	***	***
Black, only	150,936	50	69.4%	33.1	3	62.0%
Native Hawaiian/Other Pacific Islander, only	400	0	0.0%	0.0	--	--
White only	408,723	3	4.2%	0.7	***	***
Multiracial/Other	17,252	5	6.9%	29.0	11.6	20.0%
TOTAL	864,331	72	100.0%	8.3	3.1	65.3%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	522,054	51	70.8%	9.8	3.4	64.7%
Foreign-born	311,176	17	23.6%	5.5	2.7	58.8%
Africa	--	11	15.3%	--	2.6	54.5%
Asia	--	0	0.0%	--	--	--
Caribbean	--	0	0.0%	--	--	--
Central America	--	3	4.2%	--	***	***
Other	--	3	4.2%	--	***	***
Unknown	--	4	5.6%	--	0.1	100.0%
TOTAL	833,230	72	100.0%	8.6	3.1	65.3%

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	411,788	1,080	60.8%	262.3	1,211	61.8%	294.1	2,291	61.3%	556.4	179
Female	452,543	697	39.2%	154.0	748	38.2%	165.3	1,445	38.7%	319.3	313
TOTAL	864,331	1,777	100.0%	205.6	1,959	100.0%	226.6	3,736	100.0%	432.2	231

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	150,997	203	11.4%	134.4	302	15.4%	200.0	505	13.5%	334.4	299
Non-Hispanic	713,334	1,574	88.6%	220.7	1,657	84.6%	232.3	3,231	86.5%	452.9	220
American Indian/Alaska Native, only	1,477	***	***	***	***	***	***	***	***	***	***
Asian, only	134,546	52	2.9%	38.6	21	1.1%	15.6	73	2.0%	54.3	1,843
Black, only	150,936	1,063	59.8%	704.3	1,273	65.0%	843.4	2,336	62.5%	1,547.7	64
Native Hawaiian/Other Pacific Islander, only	400	***	***	***	***	***	***	***	***	***	***
White only	408,723	395	22.2%	96.6	295	15.1%	72.2	690	18.5%	168.8	592
Multiracial/Other	17,252	60	3.4%	347.8	67	3.4%	388.4	127	3.4%	736.1	135
TOTAL	864,331	1,777	100.0%	205.6	1,959	100.0%	226.6	3,736	100.0%	432.2	231

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	522,054	1,192	67.1%	228.3	1,185	60.5%	227.0	2,377	63.6%	455.3	219
Foreign-born	311,176	443	24.9%	142.4	731	37.3%	234.9	1,174	31.4%	377.3	265
Africa	--	293	16.5%	--	504	25.7%	--	797	21.3%	--	--
Asia	--	23	1.3%	--	17	0.9%	--	40	1.1%	--	--
Caribbean	--	19	1.1%	--	40	2.0%	--	59	1.6%	--	--
Central America	--	52	2.9%	--	103	5.3%	--	155	4.1%	--	--
Other	--	56	3.2%	--	67	3.4%	--	123	3.3%	--	--
Unknown	--	142	8.0%	--	43	2.2%	--	185	5.0%	--	--
TOTAL	833,230	1,777	100.0%	213.3	1,959	100.0%	235.1	3,736	100.0%	448.4	223

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 14 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	2,291	1,154	50.4%	531	10.3%	15.5%	20.7%	53.5%
Female	1,445	771	53.4%	583	8.2%	12.1%	19.2%	60.6%
TOTAL	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	505	279	55.2%	484	10.4%	14.7%	28.7%	46.2%
Non-Hispanic	3,231	1,646	50.9%	555	9.3%	14.0%	18.7%	58.0%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	73	34	46.6%	604	2.9%	8.8%	26.5%	61.8%
Black, only	2,336	1,225	52.4%	536	10.0%	14.8%	20.7%	54.6%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White only	690	298	43.2%	645	7.0%	11.7%	9.7%	71.5%
Multiracial/Other	127	86	67.7%	550	10.5%	14.0%	17.4%	58.1%
TOTAL	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	2,377	1,181	49.7%	549	10.5%	13.5%	19.3%	56.6%
Foreign-born	1,174	642	54.7%	544	7.8%	15.0%	22.0%	55.3%
Africa	797	449	56.3%	546	7.1%	15.4%	21.4%	56.1%
Asia	40	22	55.0%	616	9.1%	13.6%	9.1%	68.2%
Caribbean	59	27	45.8%	669	11.1%	7.4%	22.2%	59.3%
Central America	155	90	58.1%	468	13.3%	16.7%	27.8%	42.2%
Other	123	54	43.9%	579	1.9%	13.0%	22.2%	63.0%
Unknown	185	102	55.1%	544	7.8%	15.7%	17.6%	58.8%
TOTAL	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	2,291	1,140	49.8%	84.9%	10,000
Female	1,445	773	53.5%	85.8%	15,738
TOTAL	3,736	1,913	51.2%	85.3%	11,740

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	505	276	54.7%	83.0%	11,770
Non-Hispanic	3,231	1,637	50.7%	85.6%	11,639
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	73	35	47.9%	94.3%	13,524
Black, only	2,336	1,215	52.0%	84.3%	13,880
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White only	690	298	43.2%	87.9%	10,261
Multiracial/Other	127	86	67.7%	93.0%	8,200
TOTAL	3,736	1,913	51.2%	85.3%	11,740

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	2,377	1,170	49.2%	84.6%	10,330
Foreign-born	1,174	640	54.5%	87.5%	11,905
Africa	797	447	56.1%	88.8%	10,060
Asia	40	21	52.5%	85.7%	70,058
Caribbean	59	28	47.5%	89.3%	19,830
Central America	155	90	58.1%	80.0%	28,870
Other	123	54	43.9%	88.9%	14,395
Unknown	185	103	55.7%	78.6%	15,358
TOTAL	3,736	1,913	51.2%	85.3%	11,740

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

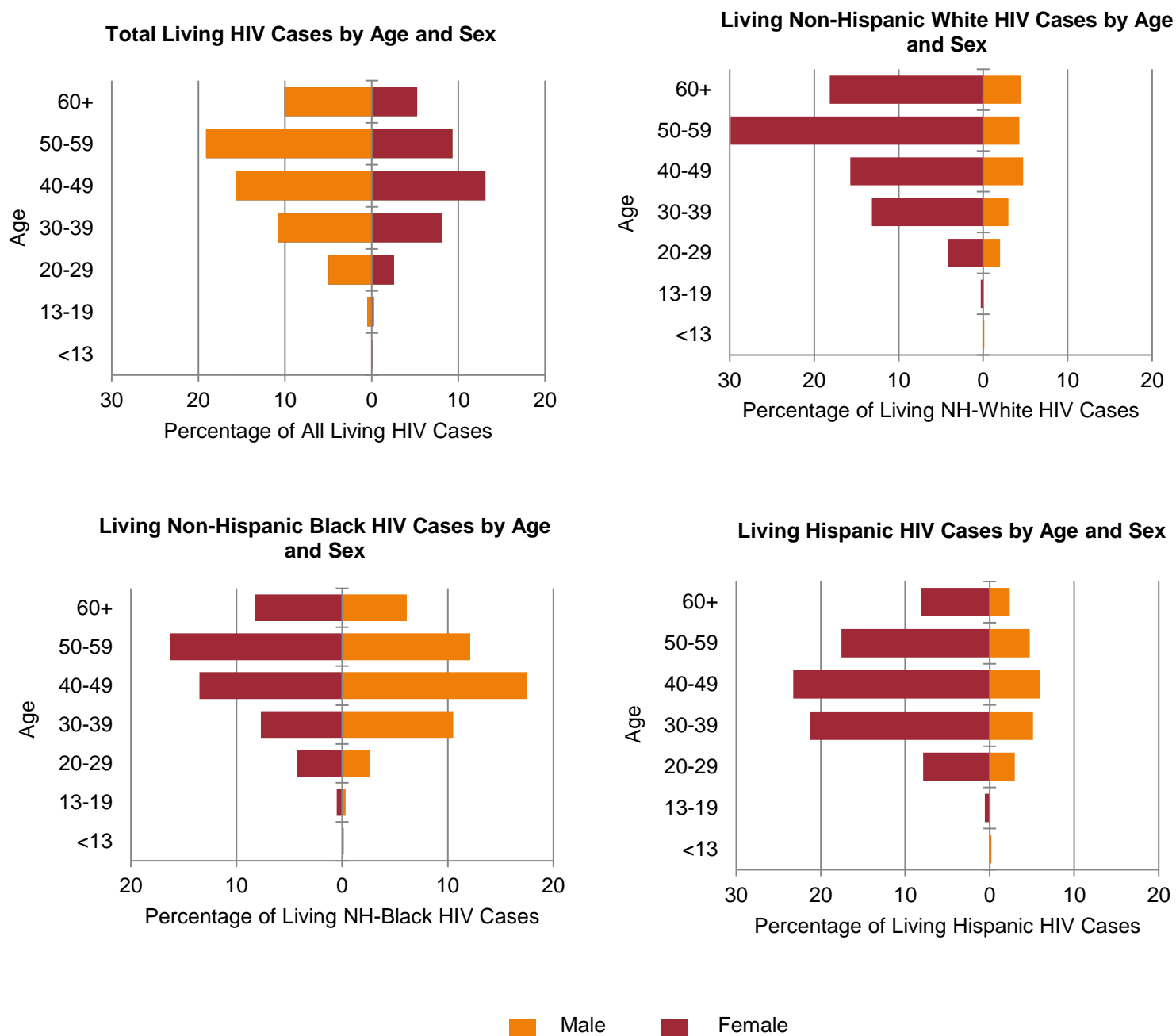
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

Section VI – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

MALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	23,651	17,309	31,173	17,373	89,506
	Cases	0	1	0	1	2
	Rate	0.0	5.8	0.0	5.8	2.2
	Ratio (1 in X)	--	17,309	--	17,373	44,752
13-19	Population	10,261	9,061	18,441	8,247	46,010
	Cases	3	12	2	2	19
	Rate	29.2	132.4	10.8	24.3	41.3
	Ratio (1 in X)	3,420	755	9,220	4,123	2,421
20-29	Population	15,975	11,851	24,172	10,812	62,810
	Cases	40	101	29	19	189
	Rate	250.4	852.2	120.0	175.7	300.9
	Ratio (1 in X)	399	117	833	569	332
30-39	Population	18,125	12,850	26,931	12,830	70,736
	Cases	108	182	92	28	410
	Rate	595.9	1,416.3	341.6	218.2	579.6
	Ratio (1 in X)	167	70	292	458	172
40-49	Population	14,628	12,584	29,306	13,055	69,573
	Cases	118	320	110	43	591
	Rate	806.7	2,542.9	375.3	329.4	849.5
	Ratio (1 in X)	123	39	266	303	117
50-59	Population	9,686	11,240	38,511	11,659	71,096
	Cases	89	385	209	40	723
	Rate	918.9	3,425.3	542.7	343.1	1,016.9
	Ratio (1 in X)	108	29	184	291	98
60+	Population	7,272	10,717	58,910	14,664	91,563
	Cases	41	195	127	18	381
	Rate	563.8	1,819.5	215.6	122.7	416.1
	Ratio (1 in X)	177	54	463	814	240
TOTAL MALES BY RACE/ETHNICITY	Population	99,598	85,612	227,444	88,640	501,294
	Cases	399	1,196	569	151	2,315
	Rate	400.6	1,397.0	250.2	170.4	461.8
	Ratio (1 in X)	249	71	399	587	216

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	22,748	16,630	30,280	16,620	86,279
	Cases	1	4	1	0	6
	Rate	4.4	24.1	3.3	0.0	7.0
	Ratio (1 in X)	22,748	4,157	30,280	--	14,379
13-19	Population	9,738	8,879	17,561	8,088	44,265
	Cases	0	8	0	1	9
	Rate	0.0	90.1	0.0	12.4	20.3
	Ratio (1 in X)	--	1,109	--	8,088	4,918
20-29	Population	14,088	13,082	23,877	11,286	62,333
	Cases	15	63	14	5	97
	Rate	106.5	481.6	58.6	44.3	155.6
	Ratio (1 in X)	939	207	1,705	2,257	642
30-39	Population	15,870	15,296	27,448	15,542	74,156
	Cases	26	249	21	12	308
	Rate	163.8	1,627.9	76.5	77.2	415.3
	Ratio (1 in X)	610	61	1,307	1,295	240
40-49	Population	14,029	15,331	31,172	15,869	76,401
	Cases	30	415	33	18	496
	Rate	213.8	2,706.9	105.9	113.4	649.2
	Ratio (1 in X)	467	36	944	881	154
50-59	Population	10,665	13,761	40,559	13,703	78,688
	Cases	24	287	30	11	352
	Rate	225.0	2,085.6	74.0	80.3	447.3
	Ratio (1 in X)	444	47	1,351	1,245	223
60+	Population	10,660	16,284	71,835	17,921	116,700
	Cases	12	145	31	10	198
	Rate	112.6	890.4	43.2	55.8	169.7
	Ratio (1 in X)	888	112	2,317	1,792	589
TOTAL FEMALES BY RACE/ETHNICITY	Population	97,798	99,263	242,732	99,029	538,822
	Cases	108	1,171	130	57	1,466
	Rate	110.4	1,179.7	53.6	57.6	272.1
	Ratio (1 in X)	905	84	1,867	1,737	367

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure*	96	100.0%	82	85.4%	19	19.8%	83	86.5%	402
Men who have Sex with Men (MSM)	47	49.0%	39	83.0%	5	10.6%	41	87.2%	422
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	48	50.0%	42	87.5%	14	29.2%	41	85.4%	303
Other Exposure	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
No Reported Exposure	80		62	77.5%	25	31.3%	60	75.0%	322
TOTAL	176		144	81.8%	44	25.0%	143	81.3%	360

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure*	61	100.0%	52	85.2%	11	18.0%	55	90.2%	412
Men who have Sex with Men (MSM)	47	77.0%	39	83.0%	5	10.6%	41	87.2%	422
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	13	21.3%	12	92.3%	6	46.2%	13	100.0%	200
Other Exposure	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
No Reported Exposure	60		46	76.7%	17	28.3%	45	75.0%	351
TOTAL	121		98	81.0%	28	23.1%	100	82.6%	385

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure*	35	100.0%	30	85.7%	8	22.9%	28	80.0%	316
Injection Drug Users (IDU)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
Heterosexual Exposure (HET)	35	100.0%	30	85.7%	8	22.9%	28	80.0%	316
Other Exposure	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
No Reported Exposure	20		16	80.0%	8	40.0%	15	75.0%	268
TOTAL	55		46	83.6%	16	29.1%	43	78.2%	303

* 2015 reported HIV exposure data are preliminary

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	42	100.0%	3.8	59.5%
Men who have Sex with Men (MSM)	14	33.3%	2.7	64.3%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	26	61.9%	3.1	61.5%
Other Exposures	0	0.0%	--	0.0%
No Reported Exposure	30		2.1	73.3%
TOTAL	72		3.1	65.3%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	27	100.0%	4	63.0%
Men who have Sex with Men (MSM)	14	51.9%	2.7	64.3%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	11	40.7%	2.6	72.7%
Other Exposures	0	0.0%	--	0.0%
No Reported Exposure	20		1.5	75.0%
TOTAL	47		2.9	68.1%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	15	100.0%	3.5	53.3%
Injection Drug Users (IDU)	0	0.0%	--	0.0%
Heterosexual Exposure (HET)	15	100.0%	3.5	53.3%
Other Exposures	0	0.0%	--	0.0%
No Reported Exposure	10		3.2	70.0%
TOTAL	25		3.3	60.0%

* 2015 reported HIV exposure data are preliminary

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,127	100.0%	1,593	100.0%	2,720	100.0%
Men who have Sex with Men (MSM)	496	44.0%	515	32.3%	1,011	37.2%
Injection Drug Users (IDU)	31	2.8%	102	6.4%	133	4.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	1.2%	46	2.9%	60	2.2%
Heterosexual Exposure (HET)	579	51.4%	918	57.6%	1,497	55.0%
Other Exposures	7	0.6%	12	0.8%	19	0.7%
No Reported Exposure*	650		366		1,016	
TOTAL	1,777		1,959		3,736	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	709	100.0%	984	100.0%	1,693	100.0%
Men who have Sex with Men (MSM)	496	70.0%	515	52.3%	1,011	59.7%
Injection Drug Users (IDU)	23	3.2%	65	6.6%	88	5.2%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	2.0%	46	4.7%	60	3.5%
Heterosexual Exposure (HET)	173	24.4%	352	35.8%	525	31.0%
Other Exposures	3	0.4%	6	0.6%	9	0.5%
No Reported Exposure	371		227		598	
TOTAL	1,080		1,211		2,291	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	418	100.0%	609	100.0%	1,027	100.0%
Injection Drug Users (IDU)	8	1.9%	37	6.1%	45	4.4%
Heterosexual Exposure (HET)	406	97.1%	566	92.9%	972	94.6%
Other Exposures	4	1.0%	6	1.0%	10	1.0%
No Reported Exposure*	279		139		418	
TOTAL	697		748		1,445	

* Includes 6 HIV cases with AIDS with Presumed Female Heterosexual exposure

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	406	100.0%	1,700	100.0%	469	100.0%
Men who have Sex with Men (MSM)	195	48.0%	395	23.2%	341	72.7%
Injection Drug Users (IDU)	15	3.7%	83	4.9%	26	5.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	6	1.5%	26	1.5%	19	4.1%
Heterosexual Exposure (HET)	189	46.6%	1,186	69.8%	75	16.0%
Other Exposures	1	0.2%	10	0.6%	8	1.7%
No Reported Exposure*	99		636		221	
TOTAL	505		2,336		690	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	326	100.0%	845	100.0%	414	100.0%
Men who have Sex with Men (MSM)	195	59.8%	395	46.7%	341	82.4%
Injection Drug Users (IDU)	13	4.0%	52	6.2%	18	4.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	6	1.8%	26	3.1%	19	4.6%
Heterosexual Exposure (HET)	111	34.0%	370	43.8%	30	7.2%
Other Exposures	1	0.3%	2	0.2%	6	1.4%
No Reported Exposure	72		335		151	
TOTAL	398		1,180		565	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	80	100.0%	855	100.0%	55	100.0%
Injection Drug Users (IDU)	2	2.5%	31	3.6%	8	14.5%
Heterosexual Exposure (HET)	78	97.5%	816	95.4%	45	81.8%
Other Exposures	0	0.0%	8	0.9%	2	3.6%
No Reported Exposure*	27		301		70	
TOTAL	107		1,156		125	

* Includes 1 Hispanic case, 4 non-Hispanic black cases, and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	2,720	1,529	56.1%	550	9.0%	13.9%	20.3%	56.8%
Men who have Sex with Men (MSM)	1,011	549	54.3%	554	7.7%	13.8%	19.9%	58.7%
Injection Drug Users (IDU)	133	54	40.6%	497	9.3%	14.8%	25.9%	50.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	60	30	50.0%	405	16.7%	20.0%	20.0%	43.3%
Heterosexual Exposure (HET)	1,497	889	59.4%	554	9.3%	13.8%	20.1%	56.7%
Other Exposures	19	5	26.3%	577	20.0%	0.0%	20.0%	60.0%
No Reported Exposure*	1,016	398	39.2%	533	11.6%	14.8%	19.6%	54.0%
TOTAL	3,736	1,927	51.6%	547	9.5%	14.1%	20.1%	56.3%

* Includes 6 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	2,720	1,519	55.8%	86.3%	10,060
Men who have Sex with Men (MSM)	1,011	535	52.9%	86.5%	8,676
Injection Drug Users (IDU)	133	54	40.6%	75.9%	3,050
Men who have Sex with Men and Inject Drugs (MSM/IDU)	60	32	53.3%	84.4%	5,190
Heterosexual Exposure (HET)	1,497	892	59.6%	86.8%	14,759
Other Exposures	19	4	21.1%	100.0%	--
No Reported Exposure*	1,016	396	39.0%	81.3%	14,978
TOTAL	3,736	1,913	51.2%	85.3%	11,740

* Includes 6 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

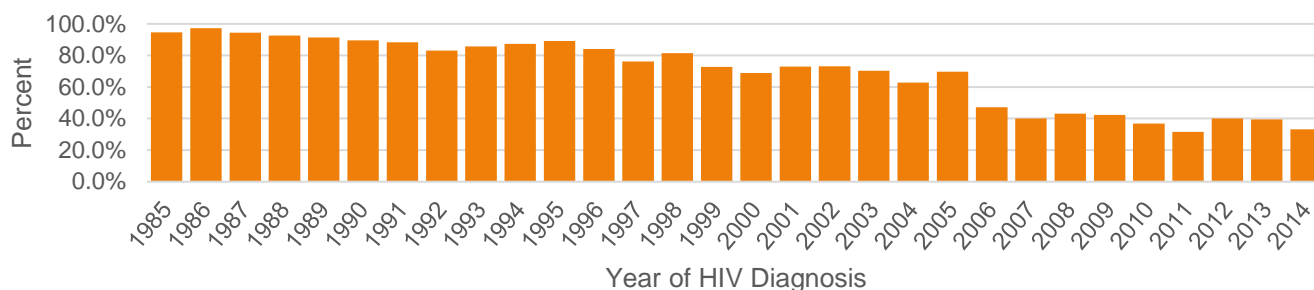
Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016

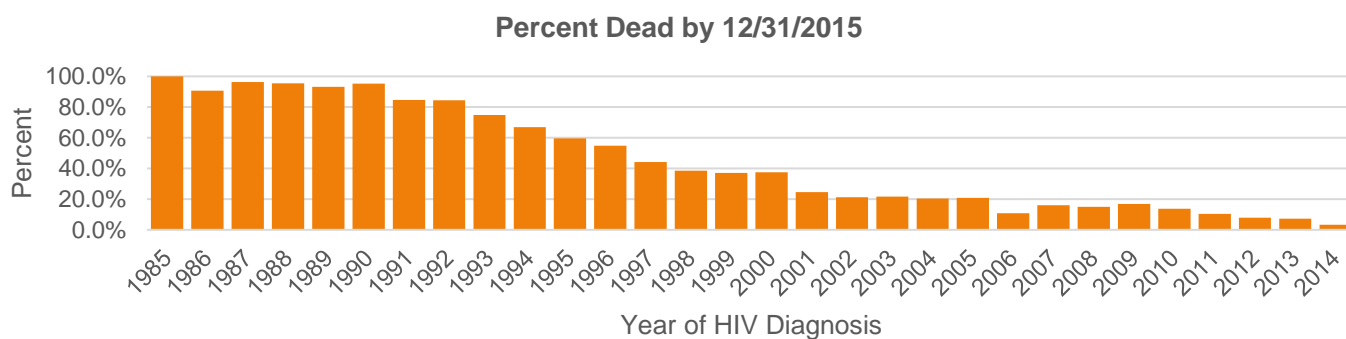
Percent with AIDS by 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	37	36	97.3%	6.7	40.5%	40.5%	48.6%	64.9%
1985	93	88	94.6%	6.3	35.5%	37.6%	43.0%	73.1%
1986	109	106	97.2%	4.4	49.5%	50.5%	60.6%	86.2%
1987	142	134	94.4%	3.0	56.3%	57.7%	70.4%	88.0%
1988	175	162	92.6%	3.1	50.9%	54.3%	71.4%	86.9%
1989	183	167	91.3%	2.5	54.6%	59.0%	73.2%	86.3%
1990	171	153	89.5%	2.4	48.5%	55.0%	74.9%	87.7%
1991	198	175	88.4%	2.1	55.1%	62.1%	78.3%	84.3%
1992	172	143	83.1%	2.8	45.9%	53.5%	67.4%	77.9%
1993	127	109	85.8%	1.5	60.6%	69.3%	78.7%	83.5%
1994	135	118	87.4%	2.0	61.5%	66.7%	74.1%	83.0%
1995	147	131	89.1%	1.7	66.0%	72.8%	78.2%	82.3%
1996	113	95	84.1%	1.9	59.3%	61.9%	72.6%	80.5%
1997	126	96	76.2%	2.0	56.3%	60.3%	64.3%	73.0%
1998	113	92	81.4%	1.9	57.5%	60.2%	69.9%	77.9%
1999	139	101	72.7%	1.4	56.8%	59.0%	64.0%	71.9%
2000	154	106	68.8%	1.7	51.3%	54.5%	58.4%	66.9%
2001	163	119	73.0%	1.5	54.6%	56.4%	65.6%	70.6%
2002	153	112	73.2%	1.0	60.8%	63.4%	69.9%	71.2%
2003	172	121	70.3%	0.9	59.3%	60.5%	66.3%	69.8%
2004	209	131	62.7%	0.8	54.1%	56.0%	58.9%	62.7%
2005	207	144	69.6%	0.7	59.9%	61.8%	67.1%	69.1%
2006	248	117	47.2%	1.0	37.1%	40.3%	44.4%	--
2007	342	137	40.1%	1.4	30.4%	31.0%	34.2%	--
2008	269	116	43.1%	0.7	36.1%	37.9%	42.4%	--
2009	191	81	42.4%	0.9	34.6%	36.1%	40.8%	--
2010	198	73	36.9%	0.9	27.3%	29.8%	34.8%	--
2011	177	56	31.6%	0.4	28.8%	30.5%	--	--
2012	185	74	40.0%	0.4	33.5%	38.4%	--	--
2013	160	63	39.4%	0.3	36.3%	38.1%	--	--
2014	190	63	33.2%	0.2	32.1%	--	--	--
TOTAL	5,198	3,419	65.8%	1.9	46.7%	49.8%	56.8%	63.2%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/14 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



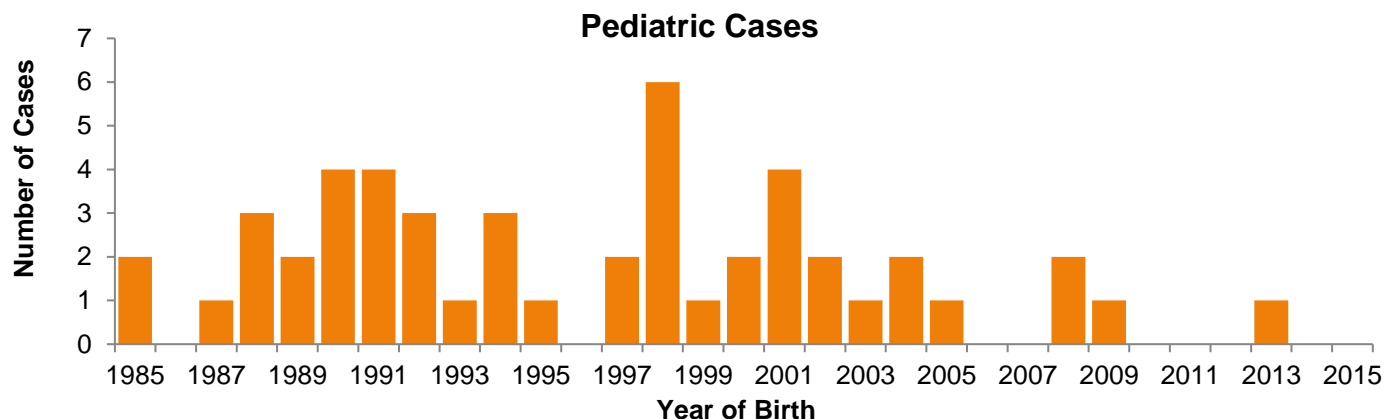
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	Reported AIDS Deaths				Percent Alive by Years After AIDS Diagnosis			
	No.	No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	15	15	100.0%	0.7	33.3%	6.7%	0.0%	0.0%
1985	32	32	100.0%	1.1	37.5%	12.5%	6.3%	0.0%
1986	54	49	90.7%	1.4	50.0%	29.6%	13.0%	9.3%
1987	82	79	96.3%	2.0	61.0%	35.4%	11.0%	7.3%
1988	89	85	95.5%	2.2	65.2%	37.1%	13.5%	9.0%
1989	116	108	93.1%	2.9	71.6%	54.3%	22.4%	12.1%
1990	104	99	95.2%	2.7	64.4%	48.1%	17.3%	9.6%
1991	130	110	84.6%	2.3	67.7%	51.5%	21.5%	17.7%
1992	135	114	84.4%	2.1	63.7%	46.7%	23.0%	19.3%
1993	143	107	74.8%	3.0	75.5%	60.1%	38.5%	30.8%
1994	175	117	66.9%	3.2	78.3%	60.6%	46.3%	38.9%
1995	181	108	59.7%	4.6	75.7%	71.3%	62.4%	49.7%
1996	126	69	54.8%	4.9	80.2%	77.8%	68.3%	55.6%
1997	104	46	44.2%	3.5	79.8%	76.0%	67.3%	60.6%
1998	101	39	38.6%	3.7	86.1%	81.2%	72.3%	65.3%
1999	105	39	37.1%	4.1	84.8%	81.0%	75.2%	68.6%
2000	112	42	37.5%	5.7	92.9%	89.3%	82.1%	71.4%
2001	114	28	24.6%	3.8	92.1%	90.4%	84.2%	77.2%
2002	127	27	21.3%	3.0	90.6%	89.8%	84.3%	79.5%
2003	134	29	21.6%	2.7	91.0%	87.3%	83.6%	79.9%
2004	148	30	20.3%	2.7	90.5%	86.5%	85.1%	81.1%
2005	148	31	20.9%	2.7	91.2%	89.2%	83.8%	79.1%
2006	130	14	10.8%	2.9	95.4%	93.1%	92.3%	--
2007	137	22	16.1%	2.1	91.2%	89.1%	87.6%	--
2008	120	18	15.0%	1.9	92.5%	90.0%	86.7%	--
2009	95	16	16.8%	1.5	89.5%	89.5%	83.2%	--
2010	94	13	13.8%	1.8	93.6%	91.5%	87.2%	--
2011	68	7	10.3%	1.5	95.6%	92.6%	--	--
2012	89	7	7.9%	0.3	93.3%	92.1%	--	--
2013	97	7	7.2%	1.1	95.9%	94.8%	--	--
2014*	91	3	3.3%	0.1	96.7%	--	--	--
TOTAL	3,396	1,510	44.5%	2.9	82.3%	74.6%	64.0%	58.7%

* 2014 reported AIDS deaths are preliminary

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	8	0	0	0	
1985	2	2	1	1	1
1986	0	3	0	0	4
1987	1	1	0	0	5
1988	3	1	2	0	7
1989	2	2	1	1	8
1990	4	1	0	0	9
1991	4	4	2	0	13
1992	3	5	2	2	16
1993	1	0	2	1	15
1994	3	1	2	1	16
1995	1	0	1	0	15
1996	0	4	2	0	19
1997	2	0	0	0	19
1998	6	1	0	1	19
1999	1	2	2	0	20
2000	2	3	0	0	23
2001	4	3	2	0	26
2002	2	4	3	0	30
2003	1	1	1	0	31
2004	2	0	0	0	31
2005	1	2	1	1	32
2006	0	6	0	1	37
2007	0	2	0	1	38
2008	2	2	1	0	40
2009	1	3	0	0	43
2010	0	0	1	0	43
2011	0	1	1	0	43
2012	0	0	0	0	43
2013	1	2	1	0	44
2014	0	1	0	0	45
2015	0	0	1	0	45
TOTAL	57	57	29	10	

Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
20816	1	2.2%
20817	1	2.2%
20832	1	2.2%
20850	3	6.7%
20853	1	2.2%
20854	3	6.7%
20874	2	4.4%
20876	2	4.4%
20877	2	4.4%
20878	2	4.4%
20879	1	2.2%
20886	1	2.2%
20895	2	4.4%
20902	3	6.7%
20903	4	8.9%
20904	4	8.9%
20905	3	6.7%
20906	5	11.1%
20910	3	6.7%
20912	1	2.2%
TOTAL	45	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	24	53.3%
Female	21	46.7%
TOTAL	45	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	2	4.4%
Non-Hispanic	43	95.6%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	31	68.9%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	9	20.0%
Multiracial/Other	3	6.7%
TOTAL	45	100.0%

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Confirmed Perinatal HIV Transmissions: Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Live Births: Babies born alive in the general population.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median: The measure of central location, which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal HIV Transmission Rate: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

Population: Population estimate for 7/1/2015.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported Perinatal HIV Exposures: Reported babies born to an HIV positive mother during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Women of Childbearing Age Total Living HIV cases: Reported HIV diagnoses among women of childbearing age (13-49 years old) on December 31st of the specified year